

Sandia/Production Agency Interface Smoothed

Weapon designers can design weapons better if they understand the weapon production agencies (PAs) — their role and their responsibilities — better.

That's the premise underlying a new program that puts Sandia designers into the PAs for two-week periods.

In the pilot phase, which began last November, specially selected groups from Sandia visited four PAs — General Electric-Pinellas, Bendix-Kansas City, Rocky Flats, and Mound Laboratory. "We had good reactions from both our people and those in the production complex," says Harry Saxton (2500), coordinator of the Production Agency Exchange Program. "These orientation sessions at the plants will provide an excellent opportunity for Sandians whose work is design-related to learn firsthand about the plant operations environment and PA procedures.

"Also, it's important that our people understand how Sandia's design definition converts to production product," he continues. "A key word here is 'producibility.' We need in-depth knowledge of PA capabilities, facilities, operating systems, and priorities to come up with designs that won't cause problems in the production phase."

What's involved in an orientation session for program participants? Normally, a visit to a PA site is for two weeks, during which Sandians receive a series of briefings on topics such as production planning, quality control, finance, production control, and the manufacturing process. They also tour PA facilities. That's the first week.

They spend the second week with their PA counterparts on the production floor. "The 'floor time' is especially important," says Harry. "That's where you learn the nitty-gritty; you can

If You're Reading This Late . . .

Or it "looks different," it's because our printing company downtown has defaulted on our contract. All the words in this issue and the next were/will be typeset with the equipment and the much-appreciated help of the Text Processing Center in Div. 2613 and Publication Services Div. 3152. But it means, essentially, that we're setting type with our word processors, and we're learning — fast — that we're *not* typesetters.

put yourself in the other guy's shoes by seeing the day-to-day problems and pressures he or she experiences.

"We've received good feedback on, and positive support for, the program from the production complex people," he continues. "They see it as their chance to let our people know what is important to them."

Two sessions a year are planned at each of the four PA sites. Plant visit coordinators are: Nick Magnani (2520), GE; Kent Parsons (2310), Bendix; Dave Anderson (2510), Mound; and Henry Hanser (8440), Rocky Flats. The Production Agency Exchange Program focuses primarily on new (to Sandia) MTS/TSA design engineers with two years or less time on the job. "The program gives them a chance to get up to speed in a shorter period of time," says Harry. "They have a much clearer idea of what our [the Labs'] responsibilities are in the overall weapons complex. At the same time they learn what the production agencies do, and how we interface with them."

Though its main target is new employees — it's been proposed as an integral part of an overall employee development program for new hires assigned to design-related activities — the program will also serve as orientation for staff people who transfer into design assignments or jobs that regularly support design activities, e.g., materials, stress, reliability. Supervisors who are new to the PA interface (including those from support



WALT PIJAWKA (left), head of engineering at GE-Pinellas, was at Sandia last week to discuss the PA Exchange Program with Harry Saxton (2500), program coordinator, center, and Nick Magnani (2520), GE plant visit coordinator.



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groups) can also participate. And, from time to time, Sandians with a wealth of experience in this area will go along to the orientation sessions to contribute their firsthand knowledge during discussions, and to provide several years of Sandia perspective.

The idea for the exchange program got started about three years ago when Sandia realized that many employees — especially relatively new ones — were not clear on the distribution of responsibilities in the weapons complex (see "State of the Labs," LAB NEWS, Feb. 15, 1985). A program was needed to put it all in perspective: what we (the Labs) do, what they (the PAs) do, where our job stops and theirs begins, and, perhaps most importantly, how to achieve a smooth interface between these activities.

It was also clear at that time that many highly experienced Sandia employees with expertise in manufacturing processes and production interaction would be retiring. With heavier emphasis at universities on theory and exploratory engineering — and less on manufacturing and factory

concerns — their replacements were not likely to hire in with the built-in knowledge their predecessors had in the latter areas.

Dick Claassen (8000) headed a committee at the time to look at these and associated problems that might arise in the future. "The committee went to work right about the time the weapons complex was going into full production again after a period when not many weapons were produced," says Dick. "We saw a real need to define very clearly the distribution of responsibilities within the complex to avert some of the problems that might arise from the increased activity.

"Moreover, we recognized that before a Sandia designer becomes deeply involved in work on a part to be manufactured, he or she has to know how it will be produced," he continues. "A good design on paper loses its value fast if it's not producible for one reason or another. So one of our recommendations was the establishment of an exchange program with the PAs. I'm glad the program is off to such a good start."



RADIANT HEAT LAB at the Coyote Canyon Test Complex was only one stop on a two-day, five-program tour of SNLA organized by Dick Schwoebel (1800; on the left) on March 10-11. The visitors were from the Industrial Research Institute, an organization of chiefs of research from major U.S. corporations that is making the rounds of national laboratories. The group toured by bus and by shank's mare — and later flew to Los Alamos — to observe some field tests and hear a number of talks, including former president George Dacey's on the role of national laboratories.

Antojitos

Manifesto of the Motorized Miffed

- WE DEMAND that Sandia provide scintillating reading material (say, fresh issues of the LAB NEWS) and emergency rations for those stranded in KAFB gate lockdowns.
- WE DEMAND that the Coronado Club provide satellite Club lounges near each Base gate.
- WE DEMAND data: number of incidents; number of incidents resolved; number of incidents resolved via lockdowns. (This may prove even more scintillating than the reading we demanded above.)
- WE DEMAND a minimum of two (2) portable comfort stations (one per sex) per block along each major KAFB exit route.
- WE DEMAND the courtesy of communication. That is, we demand that the loudspeakers near the Parade Ground, which are used primarily for Christmas carols in December, carry continual news about the lockdown and the chances of getting off Base by midnight.
- WE DEMAND that KAFB post prominent signs in each Base facility, including the Hospital, notifying all prisoners that escapes are absolutely prohibited between 5:30 p.m. and 7 a.m. weekdays.
- WE DEMAND that each married commuter delayed more than 15 minutes by lockdowns be provided a written "Excuse for Spouse" that accounts for all time spent in exiting the Base. The ES must be presented to the commuter as he/she finally departs Base boundaries.
- WE DEMAND that the National Guard be mobilized to rescue any American citizen held hostage by the Air Force for more than 12 hours.

* * *

Son of "What Color is a Sandia Lab?" Don Schubeck (3422) tells me that he once ran an ad to sell a 3/4 bed. His first caller bawled him out for failing to state that it was a bed for sleeping, not for a pickup.

* * *

Ex-Sandian Strikes Back One sentence in last issue's thanks to Sandians from the United Way made Don Brooks (now DOE/AL) wonder whether we were part of the solution or part of the problem: "Thanks to you, United Way can continue to face problems in our community." ●BH

Events Calendar

March 28-30, April 3-6 — Musical, "Joseph and the Amazing Technicolor Dreamcoat"; 8:15 p.m. Thurs.-Sat., 2:15 p.m. Sun.; Popejoy Hall, 277-3121.

March 28-April 20 — "The Importance of Being Earnest"; 8 p.m. Fri.-Sat., 6 p.m. Sun.; the Vortex (Buena Vista & Central SE), 247-8600.

March 29 — Pops concert, New Mexico Symphony Orchestra; Ray Charles, guest artist; 8:15 p.m., Kiva Auditorium, 842-8565.

March 29-30 — "Celebration of Dance," New Mexico Ballet Co.; 8 p.m. Sat., 2 p.m. Sun.; Albuquerque Little Theatre, 242-4750.

March 30 — Easter concert, Albuquerque Philharmonia Orchestra; music of Schubert, Dvorak, Beethoven; free admission; 3 p.m., KiMo.

March 31 — Concert, Chamber Orchestra of Albuquerque; Anthony Templeton, violin; David Oberg, conductor; 8:15 p.m., Albuquerque Little Theatre, 247-0262.

March 31 — Architecture lecture, "Occidental and Oriental Housing," by McGill University Professor Norbert Schonauer; 5:30 p.m., New Mexico Union Theatre, 277-2903.

March 31 — Film, "The Orient Express," narrated by Kathleen Dusek; Travel & Adventure Series; 7:30 p.m., Popejoy Hall, 277-3121.

April 1 — Gala Concert & 30th Anniversary Celebration, Albuquerque Youth Symphony; 8:15 p.m., Keller Hall, 277-4402.

April 3 — Concert, New Mexico Brass Quintet; special guests, the U.S. Air Force Academy Brass Quintet; 8:15 p.m., Keller Hall, 277-4402.

April 5-6 — African Violet Society show; 2-6 p.m. Sat., 10 a.m.-4 p.m. Sun.; free admission, Albuquerque Garden Center (10120 Lomas NE), 296-6020.

April 5 — UNM Jazz Festival concert, 7:30 p.m., Keller Hall, 277-4402.

April 5 — "Country Dreaming," children's country-western musical; 2:15 p.m., KiMo, 293-3518.

April 6 — "The Enchanters," pop singing group; Broadway tunes, top 40, and hits back to the 1930s; 2 p.m., KiMo, 296-2257.

April 6 — Movietime at the KiMo, Boy Meets Girl Series: "Death in Venice," American (1971); 7 p.m., KiMo.

LAB NEWS

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SANDIA NATIONAL LABORATORIES

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SHIREEN HAYES, 7-year-old daughter of ASI contract security officer Sgt. Bill Hayes, is gravely ill with a rare and fatal disease known as Alexander's leucodystrophy, found in only 12 cases throughout the world since 1949. The insurance company policy limit of \$100,000 liability was reached last November, the family learned just this month, and more than \$60,000 in medical bills have come in since then. Friends at work have established the Shireen Hayes Fund through the Sandia Livermore Federal Credit Union to aid the family until other sources of revenue can be found through state or federal agencies. Bill is shown holding his daughter in their Stockton home in this 1984 photo.

Sympathy

To LaVonne Pickens (8431) on the death of her husband Stan, a retired Sandian, in Livermore, Feb. 26.

To Don Swanson (8176) on the death of his mother in Bend, Oregon, Feb. 27.

Congratulations

Beth (8312) and Dana Coleman, a daughter Kristen Danielle, March 2.

Taz Bramlette (8362) and Linda Loomis, married on Mt. Tam, Feb. 14.

April 6, 13, 20, 27 — Spring Playfest, four original plays staged and produced by UNM students; 6 p.m., UNM Experimental Theatre, 277-4402.

April 7 — Concert, UNM Symphonic Wind Ensemble; music of Persichetti, Gould, Khachaturian; free admission, 8:15 p.m., Popejoy Hall.

April 9-20 — "Orphans," New Mexico Repertory Theatre; 8 p.m. Tues.-Sat., 2 p.m. matinees Sat.-Sun., KiMo, 243-4500.

April 10 — Concert; Daniel Gwin, double bass; Rita Angel, piano; 8:15 p.m., Keller Hall, 277-4402.

April 10-20 — "The Dining Room," Jim Morley, director; 8 p.m. (2 p.m. matinee on April 20), Rodey Theatre, 277-4402.

April 10-25 — "Mother Hicks," a play for children and their families; 2 p.m. April 10-12, 17-19, 8 p.m. April 24-25; Rodey Theatre, 277-4402.

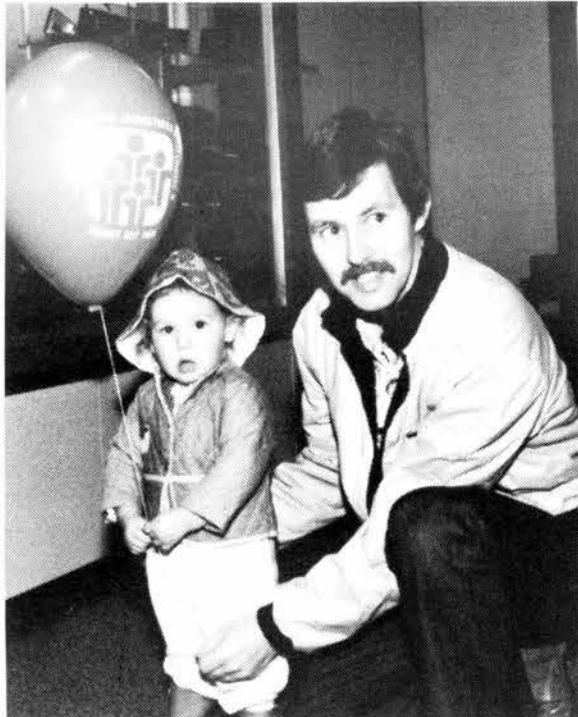
April 11 — Crownpoint Rug Auction; rug viewing in afternoon, chile supper, auction at 7 p.m.; Crownpoint (N.M.) Elementary School, 864-7634.

April 11-12 — "Sleeping Beauty," Ballet West and the New Mexico Symphony Orchestra; 8:15 p.m. Fri., 2 & 8:15 p.m. Sat., Popejoy Hall, 842-8565.

Site-Seers Shrug Off Showers

Family Day Attracts 3500

Sandia Livermore's 30th anniversary Family Day March 8 was an overwhelming success despite the rain showers that punctuated the daylong stream of families and friends through some 50 buildings and more than 100 displays and working demonstrations. Family Day committee head Holly Stryker (8264) reports that some 3500 people came through the gates during the one-day event held every five years. And she said she's looking forward to doing it all over again in 1991!



FIRST TIME Family Day visitor was two-year-old Alyssa and father Graham Thomas (8444). Alyssa seemed to enjoy the free helium balloon more than anything else that day.

**FAMILY
DAY 86**



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DEMONSTRATING GLASSBLOWING for hundreds of visitors was George Cosgrove (8184), whose artistic creations were one of the most popular attractions on Family Day.



DISPLAYING THE FLAGS of their homelands for Family Day were four foreign researchers currently at the Combustion Research Facility. From left are Veli-pekka Heiskanen of Finland, Gary Drummond (8301), Philippe Magre and Thierry Baritaud of France, Dan Hartley (8300), and Jaap Hoornstra of The Netherlands.



NEWCOMERS TO SANDIA LIVERMORE Gene (8100) and Dot Wes enjoyed the community display photos of Sandians' freetime activities and volunteer projects. Beneath the photos is the 250-foot mural drawn by Portola Avenue schoolchildren.



RECEIVING A CITY PROCLAMATION from Livermore Vice-Mayor Ayn Wieskamp commending Sandia for its "good neighbor" role in the community was Dick Classen (8000). The presentation was made March 7 during a public officials' and civic leaders' pre-Family Day visit.

Take Note

Next meeting of the Albuquerque group of N.M. Network for Women in Science and Engineering is set for April 9 at 6:30 p.m. at the home of Marlene Hyde, 12900 Punta de Vista NE. Two speakers will present the program after dinner. Valerie Rogers of Bovay Engineering will talk on "Military and Civilian Engineering — the Differences." Sandy Giles of the Office of Senior Affairs will discuss "Senior Support Services for Working Daughters." A \$5 fee covers social hour and dinner. Call Jennie Negin (3463) at 4-7165, or Ellen Cronin (6330) at 4-2475, for more info and/or reservations.

Debbie Faculjak (5263) and Vin Davis (7864) will participate in a 75-mile Wheelchair Relay Run from Santa Fe to Albuquerque on April 12. Local sculptor/athlete Miguel Antonio will run the entire course along with ten wheelchair athletes. The relay, from the Capitol building in Santa Fe to the Launch Site Restaurant in Albuquerque, is sponsored by the Albuquerque Wheelchair Tennis Team. Contributions in support of the relay will be used to defray travel expenses of the team when it goes out of state for meets, and to support the activities of the recently established Junior Wheelchair Tennis Program. Your donation (tax deductible) should be sent to the Albuquerque Wheelchair Tennis Association, P.O. Box 27109, Albuquerque, 87125. More info from Mike Lovato at 768-4220.

El Encanto Day Care Center is sponsoring its third annual dinner on two nights at three churches during the Week of the Child, March 31-April 6. Dates and locations: April 4, spaghetti dinner at St. Stephen's United Methodist Church (4601 Juan Tabo NE); April 5, enchiladas at El Buen Samaritano United Methodist Church (700 Granite NW), and barbecue dinner at Monte Vista Christian Church (3501 Campus Blvd. NE). Dinners at all locations are served from 5-8 p.m. Proceeds go to El Encanto, which provides day care for low income families. Tickets (\$4 for adults and \$2.50 for children under 12) can be purchased from Charlie Morrissey, 293-1966; Carolyn Swain, 344-4536; or Lois Stanton, 298-0187.



DOE SAFETY AWARD for 100,000 hours of accident-free flying went to Ross Aviation, Sandia's Tonopah and Los Alamos "connection." The award was presented on March 10 to General Manager Chester Finkenbine (shown here staying clear of the prop at a Ross hangar).

The American Lung Association of N.M. is accepting nominations for its annual Clean Air Award until April 4. Individuals, organizations, corporations, or citizen groups are eligible. Selection of the award winner is based on an outstanding contribution in prevention, control, or understanding of outdoor air pollution. The contribution need not have been made under the auspices of the Lung Association. Nominations should be sent to: American Lung Association of New Mexico, 216 Truman NE, Albuquerque, 87108. For more info and a nomination form, call 265-0732.

The Storehouse (106 Broadway SE), an ecumenical, non-profit organization that recycles donations of clothing, household goods, and food to the needy, celebrates its 15th anniversary this month. You're invited to participate in a special open house program on April 18 — free cake and ice cream for visitors, balloons for children, tours of the facility, a photo display of past events and people in The Storehouse's history, and a recognition party for volunteers that evening. Over the years, The Storehouse has provided assistance to approximately 180,000 families, has given away

140 tons of food and recycled 20,000 truckloads of clothing and furniture, and has offered \$150,000 in rental assistance. On its 15th birthday, the organization is asking members of the Albuquerque community to donate \$15 per person (one for each year) or to volunteer 15 hours of service.

The biggest bash of the year for retirees, the annual picnic, is set for Thursday, May 22. All retirees will receive their invitations around the middle of April.

Girl Scouts and girls who are not scouts in grades two through twelve are eligible for summer camp sessions at Rancho del Chaparral Girl Scout Camp in the Jemez mountains. Seven-day resident sessions run June 15-Aug. 3; 14-day resident sessions (2) are scheduled June 22-July 6 and July 13-27; and high-adventure sessions specializing in the arts, horseback riding, and backpacking will run from June 8-Aug. 3. One-week sessions (including high-adventure) cost \$105, and the two-week ones are \$180. Non-scouts pay an additional \$15. For more info, contact the Chaparral Girl Scout Council at 243-9581.

Thanks to Al Hooper (formerly a lawyer in 4000), all New Mexico veterans will benefit from Al's legal battle — all the way to the U.S. Supreme Court — to make them eligible to claim a \$2000 property tax exemption. Formerly, veterans could claim the exemption only if they satisfied certain residency requirements. The Court found the requirements unconstitutional in a decision handed down last June. Now all veterans who are New Mexico residents can qualify for the exemption if they served in the military during specified periods of armed conflict. If you're newly eligible for the exemption, you'll need to present an exemption certificate to your county assessor by April 30 to qualify for the 1986 tax year. Certificates are available from the New Mexico Veterans Service Commission, P.O. Box 2324, Santa Fe, 87503, phone 827-6300. They're also available from Hugo Flores at VA Hospital here, 265-1711. And what about Al? No sooner did he win the case than he was transferred by AT&T back to Washington, D.C.

Unit Values

Here are the AT&T Savings Plans Unit Values, as of January 31, 1986:

	Unit Value	Units Credited Per Dollar
SPSE (Savings Plan for Salaried Employees)		
AT&T Shares	1.3956	.7165
Government Obligations	4.3812	.2282
Equity Portfolio	3.6306	.2754
Guaranteed Interest Fund	2.0534	.4869
Diversified Telephone Portfolio	5.2766	----*
SSP (Savings and Security Plan - Non-Salaried Employees)		
AT&T Shares	1.4106	.7088
Guaranteed Interest Fund	2.1647	.4619
Diversified Telephone Portfolio	2.4547	----*
VCP (Voluntary Contribution Plan)		
AT&T Shares	1.369	.729
Mutual Fund Equity Portfolio	2.326	.429
Money Market Fund	1.341	.745
Guaranteed Interest Fund	1.503	.665
Diversified Telephone Portfolio	1.673	----*

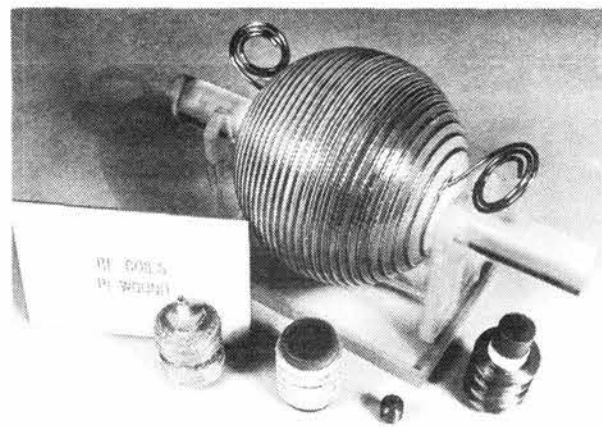
*Since there are no new units credited to this fund, there is no longer a need for a "units credited per dollar" figure.

All Wound Up & Always 'To Go'

If your shopping list ever included such exotic items as a coil of wire — finer than human hair — that had to be wound almost 300 times around a glass core barely visible to the naked eye, the Transformer Shop was the place you turned to. Chances are, Joe Macias (7474-1) made it for you — by hand.

Or, if it was an urgent project, such as fabricating 150 transformers and coils, it may have been 30-year veteran Ralph Dalby who tackled the job, along with Tom Hesch who's being groomed as his replacement. Such a tall order may have required the help of Janice Leili, who has just finished her apprenticeship and is now on loan from the Fabrication Shop (7474-2). And Mabel Gomez or Tony Montoya, in training here for eight weeks, could have lent a hand.

The penthouse shop on the second floor of Bldg. 840 is a little prototype factory stocked with



ANTENNAS come in all sorts of photogenic shapes and sizes, such as this glass fiber and copper model. Coils, in turn, can be wound in several layers, including pyramid-shaped ones. Transformers and coils are often redesigned and brought back "as many as three or four times," says Ralph.

hundreds of spools of copper wire, ranging from #6 gauge square that is 0.2 inches wide to #55 gauge at 0.0005 inches — a factor of 225,000 between sizes. Some half-pound spools have enough wire to stretch from the shop to the town of Belen. Scattered on the desks are hundreds of UPOs — unidentified prototypical objects. These run the gamut in shape from toroidal (or doughnut-type), through L-, C-, or E-shaped, to rectangular or even lobed.

These items, dreamed and schemed up in dozens of labs, are the brainchildren of Sandian engineers and scientists. Many are funneled through the Passive Components Division (2362), an engineering group that designs them and prepares the specifications for the Transformer Shop. The engineers' plans specify the physical dimensions needed: radius, number of turns, wire size, core size, type of core, number of laminations, type of insulation, the shape of the inner form, and whatever else is needed to make them work — at least on paper.

The shop has some machinery, including a band saw, lathes, lathes converted into winding machines, small and large toroidal winders, fine winding machines with counters and adjustable features, and a recently installed computerized coil winder that can make pyramid-shaped windings.

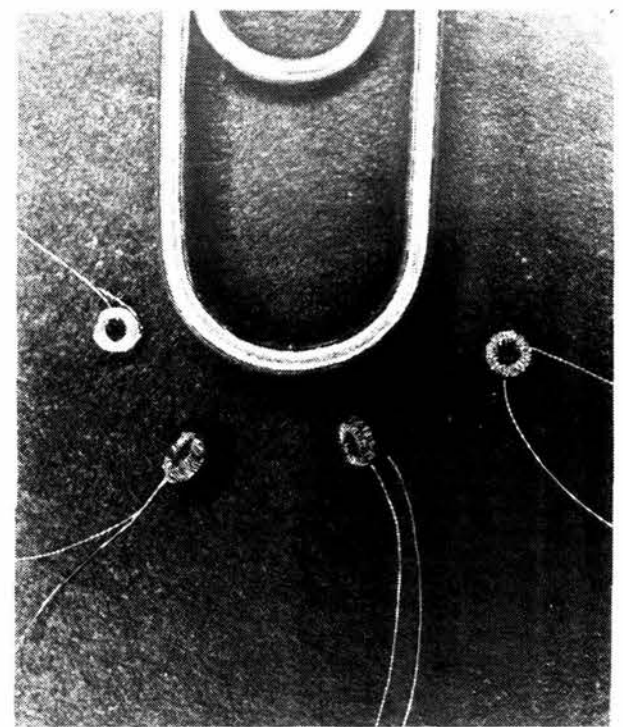
However, any time the inner circumference of a toroidal form is small and a lot of turns are required, the hands-on mode takes over. In fact, says Tom, "25 percent is manual work around here." The technicians often work with spaces that are too small to fit a toothpick. They also work with delicate forms such as glass toroids, which could shatter if too much tension were applied.

At times they make large windings that require coordination between hand, foot, and lap. Joe once worked with an iron core four feet in diameter. At other times, they have to improvise. Ralph can't forget a coffin-sized rectangular transformer that not only required a specially built form but had to be "rat-trapped," or extensively customized. The behemoth had to be locked into the chuck of a winding machine and wound 300 times.

The techs are old hands at winding wire from a few inches to several miles in length. "We take on projects requiring a single turn to many thousands, and from a single layer to several dozen," says Tom.

Joe remembers one coil particularly well. "It was made for our insulin pump program and was part of a relay that allowed a specific amount of insulin to be pumped into the body," he says. "It took 830 turns without any overlaps."

As far as turnaround time goes, "one week isn't unreasonable for a single transformer or coil," says Tom. "And, depending on the workload and the request, turnover can be as short as a day."



EYE-BOGGLING FORMS, such as these four glass toroids encircling a standard-sized paper clip, are the stuff that some tiny coils are made of. There seem to be no size limits on the windings. The latest word is that the 55-gauge wire (shown here) used by SNLA technicians can be topped by 58-gauge wire, at a mere price tag of \$54,431/lb.

SPOOLS AND WIRE CLIPPERS dominate the work surfaces of the Transformer Shop. Here, from left, Tom Hesch, Ralph Dalby, and Joe Macias examine an intricate winding. For additional quality control, says Tom, "the Analysis Lab (7472) can dissect a coil or transformer, X-ray it, and print enlarged photographs for visual inspection."



Is String
The Only Thing
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Grapevine's Good Too?



Gossip, says [Yale professor of literature] Patricia Meyer Spacks, is far more than fun. It is a vital force for civilization. It is both expositor and guardian of public morals. It is woman's secret weapon in a bossy man's world. It is the scale on which we weigh our social worth, the arbiter of those slippery Prevailing Community Standards the porn boys are always on about, and the chief instrument of social bonding and tribal traditions all over the world.

Saturday Review, July 1985

Engineers: Reverse Trendsetters



The demise of beards and mustaches follows a long-term cycle and was relatively easy to predict, said Long (co-author of *The American Forecaster 1986*). "We use the 'engineers index,'" he said. "Men who are in the engineering professions are politically and socially conservative," and tend to adopt fashion trends more slowly than others.

"Beards and mustaches are very popular among engineers, which means the rest of the population is going on to something else," said Long.

Albuquerque Journal, Dec. 2, 1985

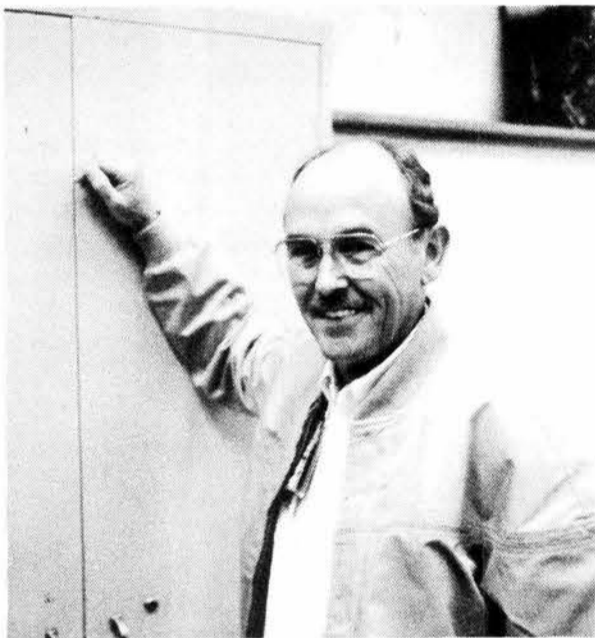
Supervisory Appointments

ELMER SMITH to supervisor of A&F Systems Section 7132-1, effective Dec. 1.

Elmer joined SNLL in May 1959 as a staff assistant in a weapon project group. Two years later he transferred to an arming and firing group involved in support of the Operation Dominic high altitude tests. In 1964 he was promoted to TSA in an acceptance equipment organization, where he designed product testers. He also worked in the System Control Division and the W79/W82 Project Group before joining the group he now supervises two years ago.

He has an associate degree in electrical engineering technology from the City College of San Francisco.

Elmer enjoys coin collecting, bowling, backpacking, and yard work. He and his wife Lovell have three children (one at home). They live in Livermore.



ELMER SMITH (7132-1)

PHIL GALLEGOS to supervisor of Coil Fabrication and Apprentice Training Section 7474-1, effective Jan. 16.

Phil has been at the Labs since January 1975, when he joined the electronic fabrication section as a technician. He advanced to craftsman two years later, and became a project technician in 1981.

He has an associate degree from N.M. Highlands University. Before he joined Sandia, Phil worked for Texas Instruments (Dallas) as a technical engineer and for Singer Business Machines as a field engineer.

His spare time activities include skiing, golfing, and basketball (on a Sandia league team). Phil and his wife Maxine have a son and live in the NE Heights.

ART MORALES to supervisor of Project Design Definition Division IV 2855, effective March 1.

Art joined the staff of the plant engineering organization as an electrical designer in March 1980. He transferred to the plant operations group in 1982, and has been with Nuclear Waste Engineering Projects Division 6311 the last two years.

He has a BS in EE from UNM and an MS in the same field from NMSU. He also has another 18 hours toward an MBA at UNM.

Art is active in his church and has been a member of the APS North Area Citizens Council for five years. He enjoys all sports, and especially racketball, handball, basketball, and swimming. He and his wife Rebecca Anne have three children (two at home). They live in the North Valley.

CHARLES MIKA to manager of Benefits Department 3540, effective Feb. 16.

Charles joined the Labs in August 1968 as a member of the staff in the business methods

organization, where he worked on personnel systems. He moved to the Budgeting Division the following year and, in 1970, transferred to the computing organization as a systems analyst. In 1975 he joined the staff of the Salary Administration Division. He moved to Benefits Planning and Administration in 1978, and had responsibility for pension fund management while in that group. He was promoted to supervisor of the Salary Administration Division in 1982, and has been head of the Benefits Planning and Pension Fund Management Division for the past three years.

He has both a BBA and MBA in finance from Texas Tech University.

Charles enjoys gardening and traveling. He and his wife Sue Ann live in the NE Heights.

GEORGE URISH to manager of Design Information and Operations Department 2830, effective March 1.

George joined the Labs' design definition organization as a product draftsman in July 1963. In 1969 he transferred to the Engineering Procedures and Standards Division. A year later, he moved to the Computer-Aided Design Division, where he worked on the development and selection of computer-assisted tools for product definition and design. He next spent a year in a group working on the mechanical design of telemetry systems. In 1978 he was promoted to supervisor of the Product Design Definition and Software Applications Division. Since 1984 he has headed the CAE Integration Division.

He has an associate degree in engineering technology from Pennsylvania State University, a BS in mathematics from the University of Albuquerque, and an MS in EE from UNM. (He earned both BS and MS degrees through the Labs' Educational Assistance Program.)

George is a member of IEEE and the National Computer Graphics Association. He enjoys woodworking, camping, and motorcycle touring. He and his wife Donna have two children and live in the NE Heights.

LARRY O'CONNOR to supervisor of Electronic Fabrication Section A 7474-2, effective Jan. 16.

Larry joined Sandia in 1961 as a staff assistant in a component development group. He also worked in the Underground Physics Division before leaving the Labs in 1963. Upon his return in 1968, he was assigned for about a year to the solid state physics research organization before transferring to weapon systems, where he worked



GEORGE URISH (2830)

on the Mk3, Mk4, W78, W81, and W85. In 1980 he transferred to the Radar Department. He was promoted to staff associate in that group in 1983, and was project engineer for Mk5 radar field testing.

He received his associate degree in electronic technology from DeVry Technical Institute (Chicago).

Larry's main leisure time activity is motorcycle touring with his wife Paula. The O'Connors have five grown children. They live in the NE Heights.

ROLLIE BAACK (DMTS) to supervisor of Procedure and Product Verification Division II 7253, effective Feb. 1.

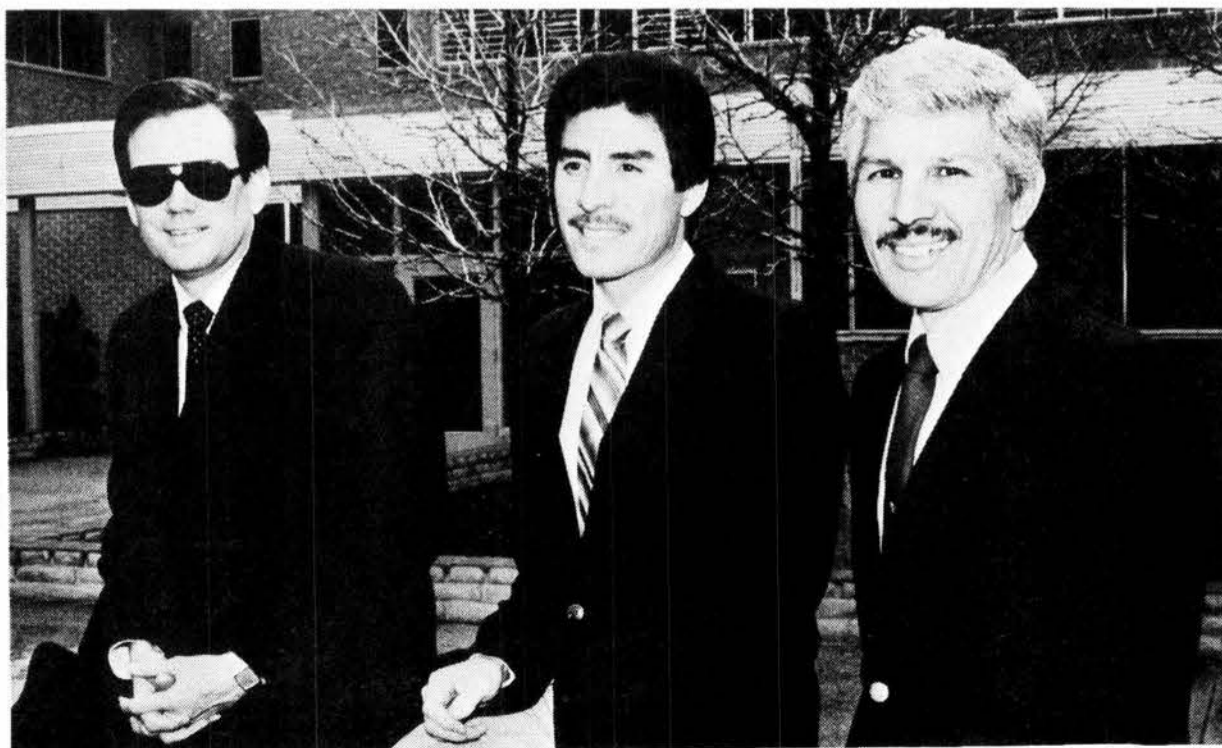
Rollie joined the Labs in June 1958 as a member of the technical staff in a systems test equipment design group. He took military leave from 1959-1961, during which he worked with the Army Research Reactor Group at Ft. Belvoir, Va. Upon his return to Sandia, he was assigned to the same Labs organization. He was named a DMTS in June 1985 for significant enhancement of realism in lab testing of weapons at Pantex. Since last August, he's been working in Stockpile Evaluation Program Division III 7263.

He has a BS in ME from the University of Iowa.

Rollie is involved with church activities and real estate interests, and enjoys fishing. He and his wife Karen have three adult children. They live in the NE Heights.

BASIL STEELE to supervisor of Intrusion Detection Systems Technology Division 5249, effective March 1.

Basil joined Sandia in June 1975 after receiving his BS in EE from the University of Texas



CHARLES MIKA (3540), PHIL GALLEGOS (7474-1), and ART MORALES (2855)



ROLLIE BAACK (7253)
and LARRY O'CONNOR
(7474-2)

Here are a few current volunteer opportunities for employees, retirees, and family members. If you would like more information, call Karen Shane (4-3268).

THE NATURE CONSERVANCY is a national organization dedicated to protecting endangered ecosystems. The New Mexico regional office, located downtown, needs office help one afternoon a week.

ZUNI ELEMENTARY SCHOOL (6300 Claremont NE) needs science fair judges on Monday, April 21, 9-11:30 a.m.

AMERICAN RED CROSS needs bilingual volunteers for its language bank. This assignment could be handled over the phone.



(Arlington). He worked in the safeguards organization until the following fall, when he left to attend Stanford University under the One-Year-on-Campus (OYOC) program. Upon completion of his MS in EE at Stanford, he returned to Sandia in 1976 and was again assigned to safeguards, where he worked on video assessment activities. In 1982 he became a project leader with responsibility for various aspects of video assessment subsystems to be used in intrusion detection systems at DOE, DoD, the State Department, and other government facilities. He's been in the division he now supervises since September 1982.

Basil was an instructor in Sandia's summer science program for local high school students from 1981-84, and has been a speaker for career days at several local schools. He's a deacon and Sunday School superintendent at his church, and leisure activities include skiing, basketball, softball, and photography. He and his wife Brenda have two children and live in the NE Heights.



BASIL STEELE (5249)

Congratulations

Kerrie and Patrick Sena (5257), a daughter, Christa Michelle, March 3.

Margie (7472) and Al (6331) Lappin, a daughter, Emily Jean, March 8.

Sympathy

To Peggy Burrell (3543) on the death of her father in Vermont, Feb. 15.

To Lina Cordova (3426) on the death of her sister in Albuquerque, March 15.

Retiring



Wayne Olson (5216), 27 yrs.



Mary Walker (2825), 26 yrs.



Tom Stevenson (5112), 32 yrs.; Jim Karo (2832), 39 yrs.; John Hatcher (7812), 36 yrs.

EQUAL EMPLOYMENT OPPORTUNITY AND AFFIRMATIVE ACTION

Sandia National Laboratories

Policy Statements

INTRODUCTION

Policy Statements

The following statements reflect Sandia National Laboratories' policies regarding

- Equal Employment Opportunity and Affirmative Action (EEO/AA)
- Sexual Harassment, and
- the Handicapped and Veterans.

Purpose

I am issuing these statements

- to reaffirm the Laboratories' commitment to the principles of Equal Employment Opportunity and Affirmative Action, and
- to engage the support of all Sandians in fully implementing our policies.

EEO/AA

EEO Policy

In FY 86 Sandia will continue to conduct corporate activities in accordance with EEO federal and state laws and regulations without regard to

- race
- color
- national origin
- religion, or
- sex.

Sandia will also comply with the laws and regulations concerning

- age
- physical or mental handicaps
- disabled and special disabled veterans, and
- Vietnam era veterans.

EEO Areas of Application

Sandia's EEO policy applies to the following activities:

- recruiting
- employment
- compensation
- benefits and services
- training
- advancement
- promotion
- transfer
- termination.

We ensure that employment, employee selection, and promotion decisions are in accordance with the principles of equal opportunity by imposing only valid requirements.

Compliance with the Spirit of the Law

It is Laboratories' policy not only to comply with the letter of the laws and regulations of federal and state governments, but to practice the true spirit of equal employment opportunity.

AA Definition

Affirmative Action is taking positive steps to hire and promote women and minorities to achieve a representation at Sandia equal to their presence in the applicable workforce.

AA Progress

Sandia's affirmative action program has produced positive results which are reflected by

- greater numbers of women and minorities on roll
- national recognition of the handicapped program, and
- a positive corporate image in the community.

AA Commitment

In the coming year, Sandia will continue to concentrate on advancing and promoting qualified women and minorities into higher job classifications, supervision, and management.

Employee Responsibility

Employees - I expect all employees to foster a work environment that is free from discrimination and is supportive of female, minority, and handicapped employees to allow all employees to reach their full potential.

Supervisors - I expect all supervisors to be familiar with the Affirmative Action Plan (AAP), to discuss it with their employees, and to take an active, positive role in fulfilling our EEO commitment.

Vice Presidents - I expect all Vice Presidents to take the lead in implementing Sandia's AAP.

Personnel Director - The Director of Personnel, R. C. Bonner, and staff will continue to monitor all equal employment opportunity activities and report to me on the effectiveness of our AAP, including recommendations for necessary action to ensure attainment of our objectives.

Objective

Optimum use of our human resources is the ultimate objective towards which we continue to strive.

SEXUAL HARASSMENT

Sexual Harassment Policy

It is against Sandia policy for any employee to harass another employee, and any conduct which creates an intimidating, hostile or offensive working environment is absolutely prohibited.

Prohibitions

Examples of prohibited conduct include:

- making unwelcome sexual advances
- making unwelcome requests for sexual favors
- engaging in verbal or physical conduct of a sexual nature
- displaying any pictures or objects of a sexual nature.

Furthermore, no supervisor (or other employee responsible for work assignments) shall threaten

or insinuate that an employee's submission to or rejection of sexual advances or requests for sexual favors will either enhance or adversely affect any terms or conditions of employment or career development.

Harassment Complaints

Any employee who has a complaint of sexual harassment should

- report such conduct to immediate supervision or management, or
- seek the assistance of any of the staff of the
 - EEO/Affirmative Action Dept. 3510, or
 - Benefits, Medical, and EEO Div. 8026.

An investigation of all complaints will be undertaken immediately.

Harassment Sanctions

When an investigation confirms a complaint about an employee or agent, that person will be subject to appropriate sanctions ranging from a warning up to and including termination. Supervisors who fail to promptly take appropriate action regarding instances of sexual harassment coming to their attention will be subject to the same sanctions.

Employee Responsibility to the Working Environment

Given the nature of this type of discrimination, Sandia recognizes that false accusations can have serious effects on innocent employees. I trust that all employees will continue to act responsibly to establish a pleasant working environment free from all discrimination.

HANDICAPPED/VETERANS

Policy on the Handicapped and Veterans

Sandia's policy of equal employment opportunity for all its employees and applicants includes the commitment to full compliance with

- the Rehabilitation Act of 1973, as amended
- the revised Vietnam Era Veteran's Readjustment Assistance Act of 1974.

We will foster a general understanding of and sensitivity to the problems of the handicapped and veterans to assure that as openings become available for which they are qualified, we may be better prepared to provide meaningful employment and advancement opportunities.

Individuals Covered by the Acts

The Rehabilitation Act covers individuals with physical or mental impairments which could affect their ability to secure, retain, or advance in employment, whether or not they have

previously been identified as handicapped. The Readjustment Assistance Act assures the Vietnam era veterans that employers will offer them employment opportunities with the likelihood for advancement.

How to Receive Consideration

Employees and applicants who believe themselves covered by the regulations and who wish to receive consideration under our affirmative action program are invited, at their own discretion, to identify themselves as handicapped or a covered veteran through their

- supervisors
- Personnel Representatives, or
- the EEO/AA Staff.

Information is Confidential

The information submitted will be considered confidential and will be used only as required to meet the provisions of the Acts.

Refusal to provide the information will not subject any employee or applicant to adverse treatment. Employees and applicants are also protected from coercion, intimidation, interference or discrimination for filing a complaint or assisting in an investigation under the Act.

Assure Success

To assure the success of our policy and our continued compliance with applicable laws and regulations, supervisors are reminded that it is the responsibility of each of us to provide equal employment opportunities for the qualified mentally or physically handicapped individual, disabled, special disabled veteran, and Vietnam era veteran.

Overall administration and monitoring of the program has been delegated to R. C. Bonner, Director of Personnel, and his staff.

Call for Cooperation and Support

Full implementation of and compliance with the above policies will go far to ensure a positive and productive working environment for us all. I trust that we will receive full cooperation and support from all Sandians.



Kevin Welber

Fun & Games

Archery — On April 5, the Manzano Archery Club will be hosting a spring shoot consisting of 28 "animal" targets. Trophies and door prizes will be awarded. Registration starts at 8 a.m., with fees of \$5 for adults and \$2.50 for children under 14. The first arrow flies off at 9:30 a.m. For more information, contact Dewey Reed at 4-4558 or 265-2687.

Triathlon — The ninth annual Jay Benson Memorial Triathlon will be held on Sunday, April 27. The events are a quarter-mile swim, a 10-mile bike race, and a five-mile run. Entries will be limited to 144 persons. The entry form can be picked up while jogging by the Rec Office.

Volleyball — The impending opening of the volleyball season reminds us that they also serve who stand and spike. A general meeting for all coaches and players interested in forming a volleyball league will be held in the Coronado Club dining room on April 2 at 5 p.m.

Running — The third annual five-km Library Fun Run is coming up on Saturday, April 5. The run starts at 9 a.m. at the UNM Law Library and ends at the Albuquerque Public Library downtown. There will be ribbons for both male and female winners in 10 different age categories. Running socks, decals, and refreshments will be provided to all entrants. Registration forms may be picked up at any sporting goods store or public library branch. Proceeds from the registration fees will be used to supplement N.M. library programs. As the organizers put it so aptly, "Jog your mind, run to your library." For details, contact Kay Kelly at 768-6734.

Bowling — The ninepins' last stand is coming up. SANDOE's final tournament for the '85-'86 season is the 3-Game Scotch Doubles, lined up for April 12-13 at the Fiesta Lanes. Contact Dora Gunckel (6410) at 4-4052 for more information.

More Bowling — SANDOE's Bowlers-of-the-Month for January were Dennis Nations (7474) with a 673 in the Men's Scratch, Lil Radtke (3436) with a 539 in the Women's Scratch, Charlie Carter (7472) with a 693 in the Men's Handicap, and Loretta Garcia with a 637 in the Women's Handicap. In February, top bowlers were Joe Lucero (7474) with a 688, Nellie Gerchow with a 575, Leo Bressan (ret.) with a 684, and Arlene Gunckel with a 680. Winners of the 4-Game No Tap two weeks ago were Claudia Gunckel and Jak Strascina (7476), with a combined handicap series of 1619. And Jerry Long (7111) bowled 'em all over by rolling a perfect game (300); only one ball was a tap.

Golfing — The SGA tournament playbill is here. On Saturday, April 12, it's the Rusty Swing, in the popular 2-man scramble format, at Arroyo Del Oso. The Ladera Open is the first of the individual tourneys that qualify members for the SGA Championship and the President's Cup. That event tees off (at Ladera, fittingly enough) on April 26. You can enjoy the masters on TV, but come on out and play in a tourney for a real thrill! Capitol Punishment (4-man, 2 best ball) is set up for Santa Fe CC on May 2. On May 24, the Southern Classic (2-man best ball) is on at Socorro. On June 7, it's the Confidence Builder (4-man scramble) at LA, and on June 21, the Fred Given Memorial (individual) at UNS. Other dates: July 12-13, the SGA Open; July 26, the SGA Member-Guest; August 8, the Skill Buster; August 22, the Mountain Classic; Sept. 13-14, the SGA Cup; and Oct. 10, the Last Chance. For details, contact Dan Buller (1111) at 4-7039 or Mark Calvin (3532) at 4-2149.

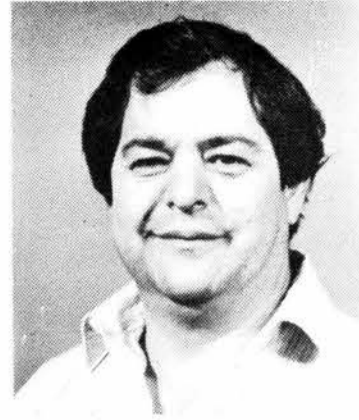
MILEPOSTS

LAB NEWS

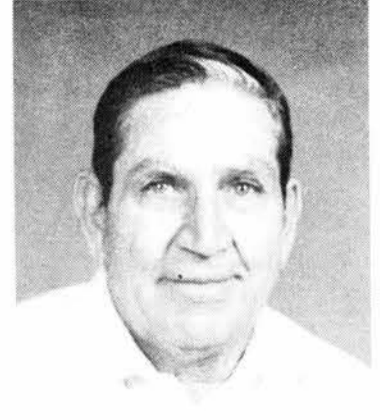
MARCH 28, 1986



Billy Asher (7815) 30



Charles Hurtado (2857) 10



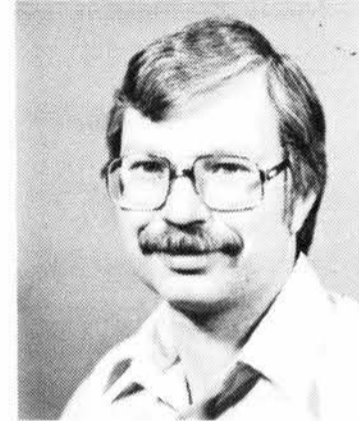
Norm Colcleasure (8257) 20



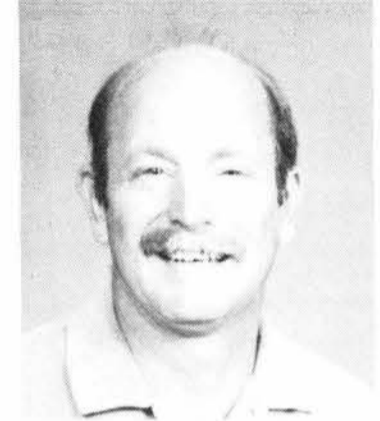
Gino Carli (2820) 35



Cindy Jenson-Miguel (8262) 10



Keith Almquist (331) 10



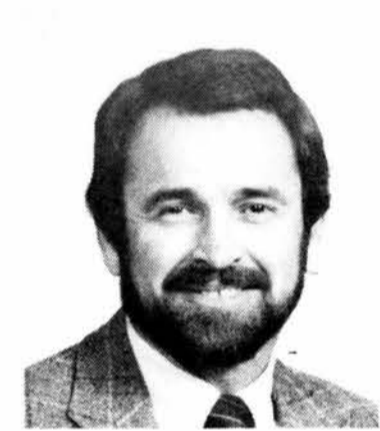
Jim Gibson (8131) 20



Dick Lynch (6300) 20



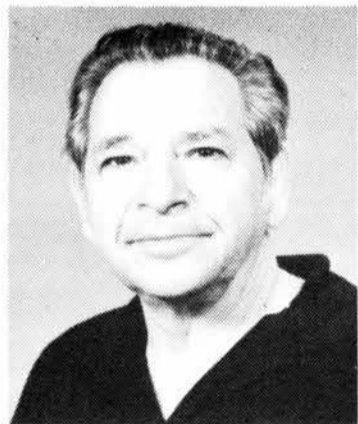
Mike Michnovicz (2833) 40



Len Hiles (8153) 20



Norm Wagner (8433) 20



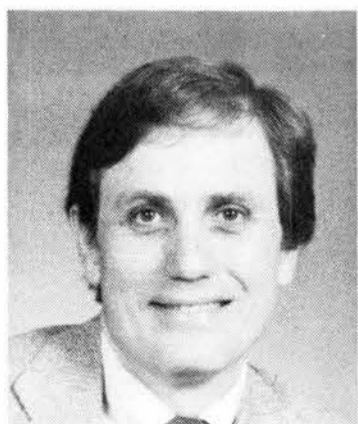
John Cronin (7473) 20



Lana West (8171) 10



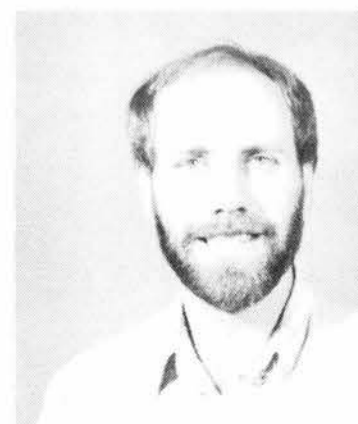
Jerry Jercinovic(3440) 40



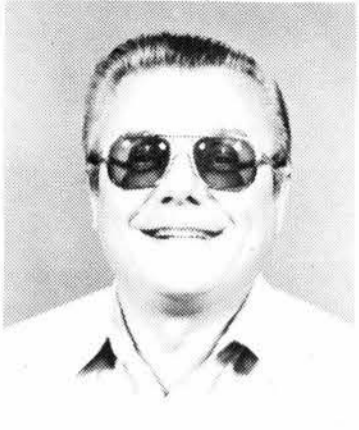
Mark Perra (8314) 10



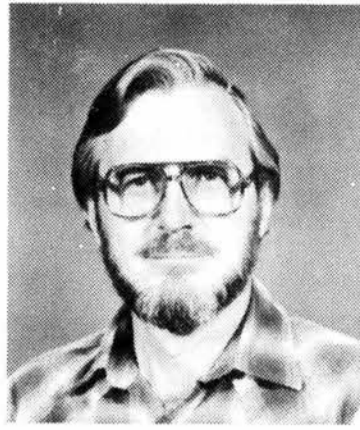
Al Dale (2822) 35



Doug Trump (7533) 10



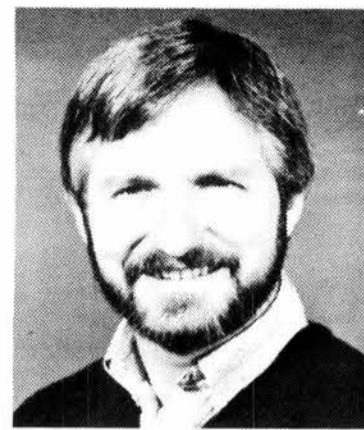
Dan Miko (7525) 25



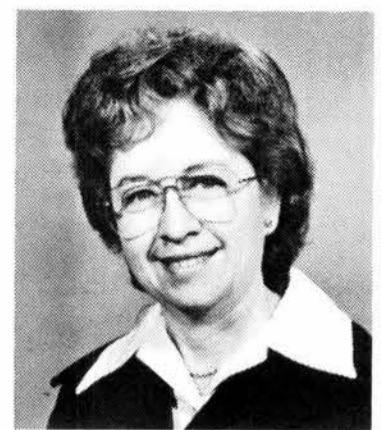
Harold Smith (7533) 10



Marvin Guier (142) 35



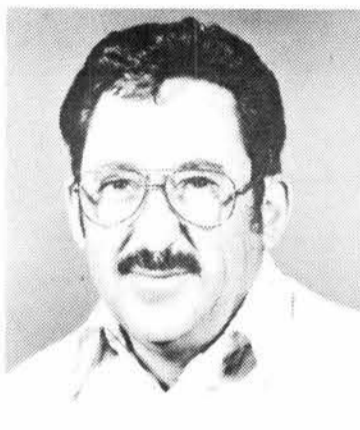
Mike Stone (1521) 10



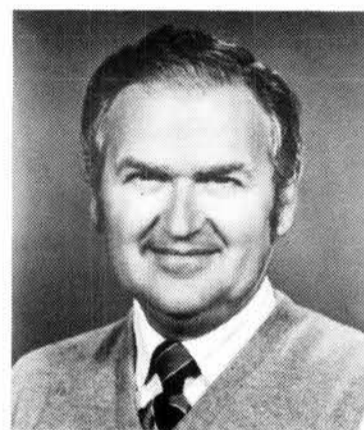
Edna Pederson (3321) 10



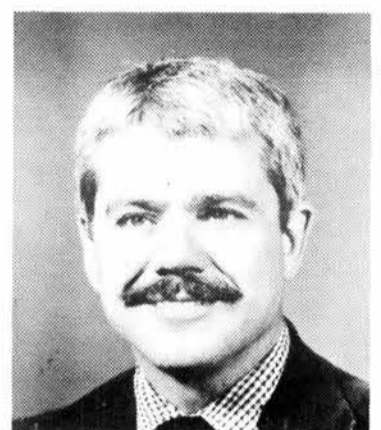
Bob Scharrer (DMTS;5145) 35



Nick Fajardo (7818) 20



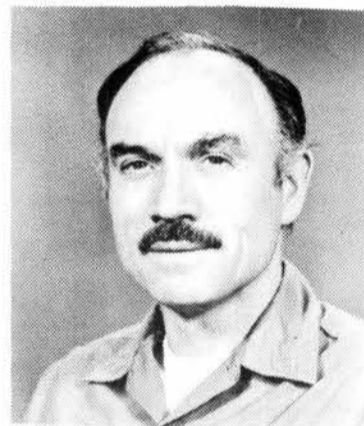
Roger Aden (5173) 30



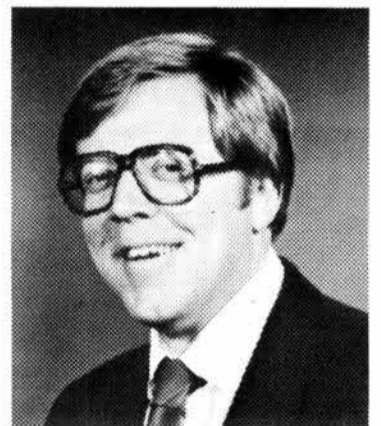
Chief Schwyzer (2000A) 10



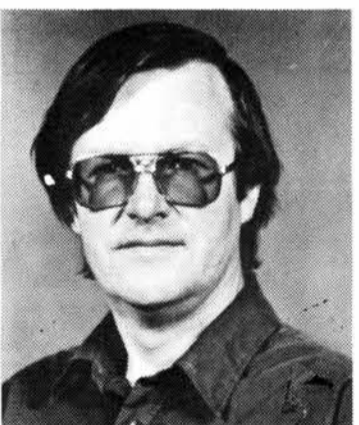
Dolores Aragon (2150) 10



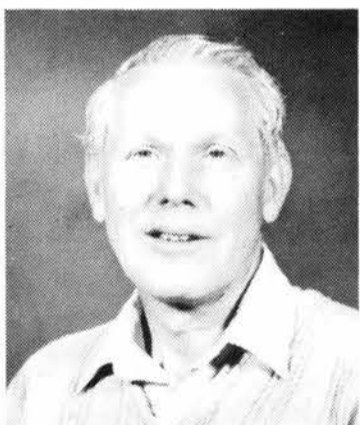
Chester Claghorn (5171) 25



John Matter (5242) 10



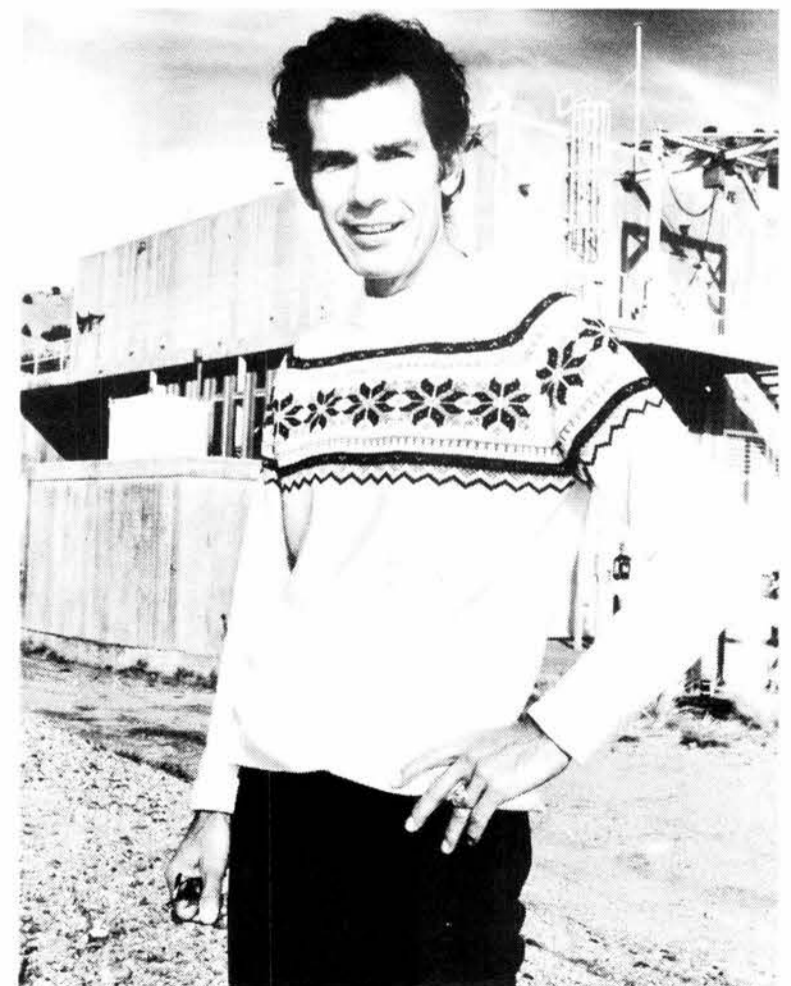
Richard Fitak (2342) 10



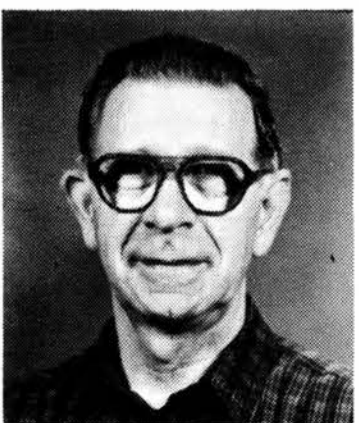
John Schamaun (313) 25



Bob Gaeddert (3460) 25



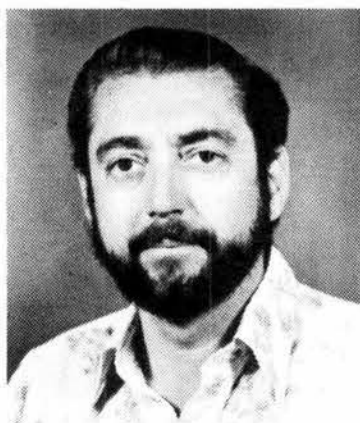
Roque Feliciano (1221) 30



Foster Tennant (7471) 20



Dean Yearout (2361) 35



Nelson Sexson (3424) 10

Deadline: Friday noon before week of publication unless changed by holiday. Mail to: Div. 3162.

Ad Rules

1. Limit 20 words, including last name and home phone.
2. Include organization and full name with each ad submission.
3. Submit each ad in writing. No phone-ins.
4. Use 8 1/2 by 11-inch paper.
5. Use separate sheet for each ad category.
6. Type or print ads legibly; use only accepted abbreviations.
7. One ad per issue per category.
8. No more than two insertions of same ad.
9. No "For Rent" ads except for employees on temporary assignments.
10. No commercial ads.
11. For active and retired Sandians and DOE employees only.
12. Housing listed for sale is available for occupancy without regard to race, creed, color, or national origin.

MISCELLANEOUS

- FREE LABRADOR PUPPIES, 6 weeks old, 4 male, 1 female. Bauer, 281-9754 after 5.
- NEW CARPET, 4-1/2' x 11-1/2', green plush pile, will deliver; insulation, 2 rolls R11, 1 roll R19, 15" wide. Spears, 266-9782.
- J.C. PENNEY 10-SPD. BICYCLE, \$65; bathroom marble vanity top, \$35. Nogales, 268-8487.
- GRAND PIANO, Young Chang, 6'1", black. Lanes, 294-4889 after 6:30.
- BROWN CARPET, 11' x 11', w/padding, \$35. Benton, 877-2473.
- ANTIQUUE ROLL-TOP DESK, circa 1880, oak, \$1800 OBO. Anderson, 265-0099.
- WINCHESTER Model 70, 300 mag. rifle, \$200; RWS Model 45, 177-cal. air rifle, \$100; Sears power carpet cleaner, \$100. Zamora, 865-0737 after 6.
- DELUXE ROPER ELECTRIC RANGE, self-cleaning oven w/microwave on top, used 4 months, cost over \$1200, sell for \$700. Palmer, 294-7656.
- BOOKS: *World's Greatest Religions*, 3 vols., \$3; *Nature Library*, 20 vols., \$20; *Science Library*, 10 vols., \$10. Roberts, 293-3107.
- COCKER SPANIEL PUPPIES, AKC registered, 3 males, 2 females, blond or buff, available about April 17, \$150 each. Miller, 266-9639.
- B&W TV, MAGNAVOX, portable, best offer; flip chair, new, \$40. Pitti, 256-1629.
- PIANO, w/bench and music, mahogany, studio upright, \$600. Tippy, 298-3758 after 5.
- JERRY CAN, 5-gal. red gasoline container w/2 spouts, lockable attaching bracket, \$15. Schkade, 292-5126.
- ENCYCLOPEDIA set for children, *Book of Knowledge*, \$900. DeVargas, 292-9276.
- AQHA, 3-year-old mare, shown, \$1900; trampoline, 42", \$25; telescope w/tripod, \$25. Baker, 294-3334.
- BENTLEY B-3 SUPER 8 MOVIE CAMERA, BX-11 Super 8 projector, never used, retail value \$320, sell for \$200. Smith, 299-7151.
- '78 19' JAYCO trailer; '75 Toyota Corolla; 15' round swimming pool, filter, skimmer, cover, etc. Gonzales, 884-3914.
- ROTARY LAWN MOWER, 20", Sears Craftsman, w/grass catcher, used 7 times, \$150. Muir, 883-7933.
- PENTAX SPOTMATIC, 35mm SLR, w/50mm f/1.4 lens, case, slide copier, Mecablitz flash, closeup spacers, auxiliary Strobolar flash w/controller, \$150. Hughes, 299-6674.
- INK JET PRINTER, Olivetti 2300 Centronics, alone \$100, with CBM-64 interface, \$115; girl's 20" bike, \$20. VanDevender, 821-9435.

- 18" CHAIN SAW, 3.7 Sears, \$145; video cassette recorder, Beta, \$100; jute hammocks, \$7 each. Altwies, 292-3884 after 5.
- BUMPER POOL TABLE, round, w/reversible game/table top, \$50. Pritchard, 293-5297.
- SEARS ELECTRIC DRYER; Suzie Homemaker dressing table; man's diamond ring. Cliffcorn, 881-4169.
- LIVING ROOM SET: couch, two matching chairs, ottoman/coffee table, from American Furniture, \$500 OBO. Goodson, 294-8179.
- 6-BAND SW AC-DC portable radio w/headset, \$49. Blaydes, 213A Charleston NE, 87108.
- AKC COCKER SPANIEL PUPPIES, show or pet, born 2/17/86, 3 males, 3 females, all black, available mid-April. Gray, 897-0525.
- ALFALFA HAY, 60 bales @ \$3.50 ea, 60 bales @ \$2.50 ea. Johnston, 865-4004.
- SOFA/CHAIR set, \$150. Binasiwicz, 821-1671 after 6:30.
- SAILBOARDS, Bic 250, 12', 5.7-sq.-m. sail, vario boom, \$300; Ten Cate, 12', 5.7-sq.-m. Mistral sail, \$275, good beginner's boards. Imbert, 294-8176.
- KINGSIZE WATERBED/bookcase headboard, complete, \$150; blue recliner, \$40; dresser/chest of drawers, \$40 ea. Webb, 293-3411.
- 4 FORD TRX ALLOY WHEELS, w/Michelin 220/55/R390 tires, 4-1/4" 4-bolt pattern, originally on 1979 T-Bird, \$125. Evans, 299-7105.
- FERRET, female, 1 year old, spayed, has shots, \$60 including cage. Lachenmeyer, 889-0838.
- FREE FERTILIZER, half manure, half sawdust, aged and dry, you haul. Hall, 898-3363 evenings.
- 1977 21-1/2' Komfort travel trailer, self-contained, tandem axle. Burchett, 299-1689.
- REMINGTON, 7mm magnum, Bushnell 3X-9X scope, case, \$425; Remington 40XB, .308, w/10X target scope, \$450. Bailey, 294-4218.
- MGA PARTS: 1500cc block, heads, crank, pistons, tranny plus many other small parts, \$350 OBO for all. Schaub, 821-7242.
- SNOW TIRES and wheels for Volvo 240/260 series, 1975-1982, \$50/pair. Irwin, 822-1831.
- BLACKJACK HEADERS, fit Chevy 6-cyl. pickup, brand new, still in box, includes installation hardware, \$35. Wilde, 298-5359.
- CHILDREN'S GYM SET, Sears, swings, rings, trapeze, ladder, overhead bars, galvanized steel, outdoor, 4-post, T-style, \$60. Beard, 821-0309.
- COLT AGENT .38 SPECIAL w/2" barrel and military parkerized finish, Packmayr grips, wood grips, holster, \$150. Montoya, 266-2970.
- 12-FT. MESH PARACLIPSE SATELLITE DISH, \$900 OBO; baby items: walker, playpen, swing, girl's clothes. Whitt, 831-5865.
- TABLE, round, white, 12" leaf, two chairs; mahogany twin bed frame; stereo record player; sewing machine; best offer. Fjelseth, 296-2257.
- SAILBOAT, Catalina 22, sleep aboard, many extras, asking \$6500, Cochiti Marina slip. Horton, 883-7504.
- CAMERAS: Olympus OMG, 35mm, f/1.8 lens, \$150; Yashica D 2-1/4 twin lens reflex, \$80. Graham, 293-8823.
- KINGSIZE BED, classic orthotonic w/solid pecan headboard, complete w/bedding, \$175 firm. Butler, 242-5398.
- ROTARY MOWER, Black & Decker, dual-blade, power cord and grass catcher, completely reconditioned late summer 1985, \$125 OBO. Weston, 255-1196.
- 55-GAL. AQUARIUM, leaks, could be used as pet cage, \$5, assorted aquarium supplies. Mozley, 884-3453, leave message.
- BMX BIKE, Roger Decoster, Tuff wheels, new tires, \$95. Mayer, 294-3368.

- SUBWOOFER SPEAKERS, Sound Ideas custom design; 100-Hz active crossover and 75 W/ch amplifier; Signet moving coil step-up transformer, \$25. VanDenAvyle, 898-6474.
- GE OVEN, \$10; 5-gal. water cans, \$5; Rainjet sprinkler heads and risers, \$1; sprinkler hoses, \$1 each. Mills, 299-2130.
- HOT TUB, 5' x 7', new, heavy duty gas heater, pump and filter, \$2500. Crass, 823-1676.
- CAMPER SHELL for LWB mini-pickup, white fiberglass, sliding front and side windows, \$200. Mooney, 281-2612.
- OCTAGONAL WOOD DINING TABLE, dark finish, four high-backed chairs w/natural jute seats, \$250. Hayes, 281-9282.
- PIANO, Kimball upright, \$750; portable sewing machine, \$20; recliner, avocado vinyl, \$50. Bentz, 299-3448.
- 25 CU. FT. FREEZER; casement windows, light structural steel; screen/storm door; sliding screen doors. Mozley, 265-2625 or 299-4204.
- GI GASOLINE CAN, 5-gal., metal, \$6; flexible spout for same, \$3; both for \$8. Allen, 296-6453.
- UMBRELLA TENT, 9' X 12', \$10; major parts for auto air conditioner, \$20; steamer wardrobe trunk, \$5. Cole, 298-1464.
- '80 JAYCO pop-up camper (Jayfinch), sleeps six, ice box, stove, \$2500. Rospopo, 299-4601.
- C-64 COMPUTER, 1541 disk drive, auto modem, paddles, etc., \$240 OBO. Buksa, 898-1282.
- '84 HOBIE CAT 16, double trapeze, life jackets, wet suit, trailer, sail box, more; best offer over \$4500. Gelinias, 898-4464.

TRANSPORTATION

- SCHWINN VARSITY 10-SPD. new tires, wheels and cables, w/accessories, \$60. Wilde, 298-5359.
- MOTORCYCLE, '81 Honda CB750, \$1450 OBO. Wright, 296-3850.
- CAMPER, Mitchell, cabover, 8-1/2', sleeps four, refrigerator, oven, toilet, heater, side dinette, electric and manual water pump, boot. Vigil, 296-3590.
- 10-SPD. SCHWINN VARSITY BIKE, 24", new tires and tubes, \$75 OBO. Kupferman, 265-7224 afternoons.
- 10-SPD. CENTURION, \$55. Kelly, 281-9774.
- TENT TRAILER, Coleman Ticonderoga, sleeps 5-6, furnace, wardrobe, LP, battery, new tires, book \$1985, asking \$1500. Gray, 897-0525.
- '83 KAWASAKI Spectre 1100, black and gold, shaft, \$1900. Moody, 294-0482.
- '78 LAVERDA 1000cc, 11K miles. Wolfe, 298-6394.
- '75 BRONCO, PS, 3 tanks, low mileage, 3-spd., V8, new paint, many extras, \$4300 OBO. Cook, 869-6921.
- '85 HONDA 250 3-wheeler, w/camo cover, rifle scabbard, \$1400 OBO; Bell helmet, \$45. Johnson, 266-0513.
- '85 CHEV. 1/2-ton full-size C-10 Fleet-side, 13K miles, V6, 4-spd., silver w/black interior, \$7250. Cole, 294-7542.
- '77 CUTLASS Supreme, PS, PB, AC, AM/FM cassette, \$1800 OBO. Finley, 293-8611.
- '81 PONTIAC Grand Prix Brougham, white w/blue velour, low miles, new tires, all options, \$5500 OBO, Weinmaster, 298-1620.
- '69 MUSTANG coupe, 302, V8, AT, disk brakes, new tires. Wilson, 299-1480.
- '75 914 PORSCHE, 1.8 liter, \$3995 OBO. Uhl, 298-6391.
- '79 TOYOTA Corolla, new tires, AC, AM/FM cassette, white, \$2500 OBO; man's 27" bicycle, touring saddle, SR Alpine Sport, \$100. Schlavin, 299-6592.
- '80 TOYOTA Celica GT liftback, AT, stereo, sunroof, new tires and battery, \$3850 OBO. Schmidt, 867-5989 after 7.
- '76 VW Rabbit, new shocks, tires, \$1700. Gauster, 821-7610.
- '76 DATSUN B210, 2-dr., stereo, AM/FM radio, \$1150 OBO. Shipley, 298-2433.
- '73 MERCURY Montego stn. wgn., 390 V8, regular gas, PS, PB, AT, AC, SBR, full service record, \$950 OBO. Novotny, 296-7167.
- '73, 25' SUPERIOR CLASS A, MOTOR HOME, 41K miles, dual air, generator, awning, \$14,500. Krukar, 292-3917.
- '81 SUZUKI GS250, 4K miles, windshield, luggage rack, back rest, new mufflers, \$700. Ruby, 884-9318.
- '55 CHEV. original ABQ car, 41K miles, show quality; '83 Dolphin mini-motorhome. Edmund, 821-9094.
- '85-1/2 FORD Escort L, 8.8K miles, 5-spd., 2-tone blue, louvres, AM/FM cassette, \$5800. Perea, 873-2515.
- '85 MAZDA GLC luxury HB, 9K miles, 5-spd., AC, AM/FM/tape, alloy wheels, more, 30+ mpg, \$7300. Webb, 294-8375.
- '78 YAMAHA 500, \$400 firm. Webb, 293-3411.
- '78 BUICK Regal LTD, 305, V8, PS, AT, AC. Burchett, 299-1689.
- '80 MAZDA GLC Sport, 5-spd., AC, AM/FM, Pioneer speakers, sunroof, new tires, 59K miles, \$2980. Unwin, 884-5667.
- '80 VW Rabbit, 4-dr., AC, AM/FM stereo cassette, sunroof, 61K miles, \$1950. Linke, 293-7808.
- '80 CHEV. LUV longbed, 4-spd., AC, 77K miles, \$2500. Roeschke, 298-0365.
- '54 FORDOR Customliner, restored, new paint/upholstery, headliner, tires, generator, interior, original miles, 6-cyl., \$2700 OBO. Schaub, 821-7242.
- '75 TOYOTA Celica GT, 5-spd., new paint/upholstery, AC, \$2000 OBO. Shaw, 299-8524.
- '78 CAMARO, 2-DR., V8, AT, AC, PS, PB, AM/FM stereo cassette, \$1500, negotiable. Arellano, 247-8767.
- '74 CHEV. Nova, 4-dr., PS, 6-cyl., 3-spd., 78K miles, \$750. Shelmidine, 256-7274, leave message.
- '78 SUBARU DL, stn. wgn., 4X4, 82K miles, \$1999. Hund, 281-5297.
- '82 TRIUMPH Bonneville Royal, rare special edition, \$2500. Strait, 842-1695.
- '79 FIAT Strada hatchback, 5-spd., AM/FM, custom package, maintenance records, \$1500. Banwart, 242-4646.
- '81 BMW 323 Cabriolet body style, Alpina sports package, classic collector's convertible, \$14,000. Hastings, 293-7539.
- '85 NISSAN Pulsar, gray, sunroof, tilt wheel, AC, AM/FM stereo, 16K miles. Hernandez, 843-7135 evenings.
- '57 CHEV. 4-dr. stn. wgn., \$3500 OBO. Pierce, 299-2801.
- '83 BUICK LeSabre LTD, V6, 2-tone, cruise, AM/FM/stereo/cassette, PS, PB, AT, AC, new radials/exhaust, \$7750. Stewart, 293-3959.
- '76 TOYOTA Corona, 4-dr., AC, AT, 32K miles, \$2200 OBO. Laskar, 299-1024.
- '81 CHRYSLER LeBaron, PS, PB, new AM/FM radio, cassette player, new tires, one owner, 37.5K miles, \$3995. Lucero, 299-7933.
- '81 DODGE Aries, 4-cyl., 4-dr., AC, AT, AM/FM cassette, 35.5K miles, \$2700. Hey, 898-6679.
- 10-FT. ALASKAN CAMPER, stove, oven, furnace, 2-way refrigerator, boat rack, jacks, and bumper extensions. Davis, 865-9265.
- GIRL'S NISHIKI BICYCLE, 20" wheels, high-rise handlebars, banana seat, \$40 OBO. Tecumseh, 881-5021.

- 2-MASTER BEDROOM PATIO HOME in Countrywood, fireplace, wet bar, 2-car garage, near new high school. Woodall, 822-0060.
- 4-BDRM. 1-3/4 bath, 1620 sq. ft. plus sunroom, open kitchen/dining/den, living room/office, corner lot, backyard access, 7529 St. Clair NE, \$87,500. Shannon, 821-6017.
- '73 MOBILE HOME, 12' x 56', 2-bdr., 1-bath. Sedillo, 298-9411.
- LITTLE TURTLE TOWNHOUSE, 2-bdr., 2-1/2 bath, single garage, all appliances, \$67,800. Robinson, 888-0321.
- '84 MOBILE HOME, 14' X 66', wood siding exterior, 2-bdr., 2-bath, vaulted ceilings, \$17,500, negotiable. Murillo, 877-1465.
- 4 HILLS custom home site in Four Hills Village, 3/4-acre, level, close to Country Club, golf and tennis, price below comps., terms, discount for cash. Smith, (415) 443-0126 evenings.
- CONDO, 2-bdr., 3rd floor, all appliances, 24-hr. security, washer/dryer, fireplace, club house, pool, tennis court. Garcia, 299-8778.
- WOODED 2-1/2 ACRE HOME SITE, 1-1/2 miles SE of Edgewood, all-weather road, water, utilities, restrictive covenants, view, \$21,400. Marrs, 822-0367.
- EDGEWOOD AREA, 3-bdr., 2-bath, manufactured home on foundation, 1-1/4 acres, fenced & cross-fenced, decks, shed, landscaping, \$59,500. Lidyard, 281-9277.
- 3-BDR., 1-3/4-bath, NE, garage, storm windows, sprinklers front and back, workroom, close to schools and parks. Quick, 883-0615.
- 2-BDR. HOME, family room, enclosed patio, private back yard, convenient NE location, \$62,000 assumable. Mayer, 294-3368.
- 3-BDR. ROBERSON HOME near Eubank/Comanche, 1770 sq. ft., remodeled kitchen, hardwood floors, landscaped, formal DR, \$89,900. Roberts, 293-9023.
- MOUNTAIN HOME on 5 acres near Pagosa Springs, CO, on all-weather road, skiing, fishing, hunting, \$85,000. Mares, 884-4843.
- EDGEWOOD, 1-bdr. mobile home on one-acre corner lot, all utilities, \$19,500. Luera, 821-2618.
- 8% ASSUMABLE CONDO, 2-bdr., security, pool, jacuzzi, sauna, tennis, all appliances, easy I-25 access, \$47,500. Kulju, 881-5265.

WANTED

- VOLLEYBALL players to form upper "B" league team. Roeschke, 298-0365.
- '80-'83 SUBURBAN, 4WD, Chev or GMC, pref. tailgate, AC, good condition. Hawkinson, 281-1281.
- ROOMMATE, nonsmoker, 2-bdr. house, 1550 sq. ft., NE, 2-car garage, \$265/month plus 1/2 utilities. Miller, 299-0785.
- 7.5-HP OUTBOARD MOTOR, water- or air-cooled, good condition. Patrick, 265-4569.
- MANUAL for AN/URC-54 transceiver, to purchase or copy. Miller, 294-2629.
- STERING GEAR BOX for '73 Bronco, working or repairable, '72-'75 fits. Sanchez, 832-6206.
- BOAT AND TRAILER, good condition, Merc I/O, 170-hp, 4-cyl. min., 305-350 cid V8 preferred, open bow, 17-18" range. Fisher, 881-8072.
- SHOP MANUAL for 1955 Oldsmobile. Mares, 884-4843.
- MOTORHOME, buy or rent, midsized, sleep 6, '76 or newer, good condition, \$9000-\$15,000. Wilson, 821-5442.

REAL ESTATE

- TEN ACRES in Moriarty Estates w/all utilities including natural gas, reasonable down and take over payments; 14' X 80' Marshfield motorcycle, must move. Miles, 832-6808.

LOST & FOUND

- LOST: Gold frame prescription glasses, light purple tint, lost 3/21 on north side of Parade Ground. Rimbart, 4-2555 or 877-1576.

P. Cottontail Is a Sneak!

P. COTTONTAIL, B. BUNNY, and all their friends will be at the Club early tomorrow morning hiding eggs all over the place. Then it'll be up to the eggsuberant eggsperts (members' kids ages 8 and under) to find them all between 10 a.m. and noon. All sorts of other eggcitement planned as well: egg rolling, cartoons in the ballroom, and lots of eggsquisite prizes for the top hunters and rollers. One of the big events of the year for the kids — and we're not eggsaggerating!

THE TWO-FOR-ONE DINNER special tonight features prime rib or scallops — your choice, two dinners for the low, low price of \$14.95. Next Friday it's filet mignon or fried shrimp. You can get your country-western act together both nights, because that famous group from down south — the Isleta Poor Boys — will be blasting out their popular c-w music for the after-dinner dancing. If you don't get it together tonight, there'll be c-w lessons between 7:30 and 8:30 next Friday to help you on the performance-polishing.

THE STAMPEDE IS ON for those popular Thursday Night Specials, started this month and continuing on into April. And no wonder — those all-you-can-eat buffets accompanied by great listening/dancing music are a real bargain. Next Thursday, April 3, it's a \$3.95 Mexican food lineup for the buffet, served from 5-8 p.m. On April 10, it's chicken and fish (again, all you can eat!) for \$3.95. Music provided by Soundwave all through April — they'll play any and all requests. Everyone's invited; bring guests and don't forget the kids — those 12 and under eat at half price. Forget the fast-food joints. This deal can't be beat!

SPEAKING OF DEALS, you always get a square one when the T-Bird card sharks get together for that twice-a-month deal and shuffle. Here's your chance to help the Thunderbirds plot their strategy for that big confrontation with the Las Vegas dealers. We know it's coming sooner or later! April strategy sessions are scheduled on the 7th and 21st. We note they're starting a half hour earlier — at 10 a.m. in the Eldorado room. Those folks are really getting serious . . .

FAMILY/VARIETY NIGHT on April 5 features the usual low-cost hot dog and pizza-by-the-slice buffet at 5 p.m., followed by the Disney classic/adventure movie, "Swiss Family Robinson." It's fun for the whole family for not much moola!

THOSE SUNDAY BRUNCH/tea dances are fast becoming a C-Club institution. The next one is scheduled April 6, with the usual sumptuous brunch buffet served from 11-2 for \$5.95, and the not-so-usual Old Cooters providing the dancing music from 1-3. If you want to find out how Old Cooters sound, you'll have to come out and hear them for yourself.

YOU WON'T SEE MUCH SNOW at the Ski Club's Carnival '86 on April 13, but that won't stop you from having fun! Reservations are required for the annual carnival bash, which starts at 3 p.m. A magic show starring Don Marchi (2512) is on tap at 3:30, followed by those super warblers, the UNM Collegiate Singers at 4:30. The Warren Miller film, "Steep and Deep," hits the big screen at 6. All kinds of food and really big door prizes — probably the greatest of the season — will be coming your way all afternoon. Though the snow soon may disappear for this year (sob!), come on out and reminisce about all those great times during the winter — the ones you can talk about, that is.

THAT EVER-EFFICIENT Thunderbird Board of Directors will meet Monday, April 14, at 2 p.m. One big agenda item will be wrapping up details on the Club's Casino Night on April 19. The T-Birds, bless 'em, volunteered to take on arrangements for Casino Night, surely one of the biggest bashes of the year — and the night the Club is transformed into Las Vegas on the Rio Grande. Board member Charlie Kaspar tells us they're looking for volunteer help; here's your chance to get in on the action. They need blackjack dealers and folks to run the chuck-a-luck and wheel of fortune games. If you can help out, call either Charlie at 821-5521 or Don Graham at 293-8823. More details on Casino Night next issue. Put this one on your "can't miss" list.

ALL YOU DOLPHINS 18 and under have a chance to learn the ins and outs of competitive swimming with the Coronado Aquatics Club. Coach Sue Hancock teaches everyone the basic competitive strokes, and everyone on the team gets to swim at all the meets (about eight are planned). The emphasis is on fun rather than competition, so here's your opportunity to get in on one terrific summer! For more info, call Patricia Puckett at 298-6067 or Judy Williamson at 293-2572.

DON'T FORGET that travelogue on Peru, to be presented by Elsa delaPuente-Schubeck, wife of Don Schubeck (3422), on April 9 at 7 p.m. Talk about exotic places — Peru is certainly one of them, and Elsa, a native of the country, is well qualified to give you the lowdown. She's traveled all over South America, and has brought back samples of native art that you'll be able to see during the program.

On the subject of travel, here are the trips coming up that you probably won't want to miss. As usual, the C-Club Travel Committee, that meticulous bunch of planners, have put together some terrific deals:

White Water Rafting — It's almost springtime in the Rockies, and we all know what *that* means! Rafting season is coming up, and here's your chance to battle one of the granddaddies of them all — Cataract Canyon on the Colorado River. This trip, set for July 2-6, includes round trip bus transportation, two nights accommodations in Moab, three days and two nights of rafting thrills, all meals while rafting, and the return trip to Moab via chartered aircraft after you've conquered the mighty Colorado. Trip cost is \$483/person; make your reservations at the Club office.

Carlsbad Caverns and El Paso/Juarez — There's still some room on the May 9-11 bus trip to Carlsbad and El Paso. Only \$108/person lets you tour both old and new caves at the Caverns, and gives you a stop in El Paso and a Juarez visit on the return trip. Call the C-Club office right now to get in on this one.

Southern Colorado — A rerun of the ever-popular bus trip to Mesa Verde and Durango is set for July 11-13. This three-day/two-night tour includes a visit to Mesa Verde and those wonderful cliff dwellings, the scenic trip to Silverton from Durango via narrow gauge railway, a ride on the Alpine Slide, and a chuckwagon dinner in Durango. Accommodations in Durango include breakfast and a cocktail party. All this fun for only \$176/person. Sign up at the Club office.

Pacific Northwest — The travel committee is working out final details on a blockbuster of a trip to the Pacific Northwest in August. Tentatively scheduled for Aug. 14-23, the itinerary includes Seattle, Victoria, EXPO in Vancouver, the San Juan Islands, and Jasper and Banff National Parks. More info on the travel rack at the C-Club.



DR. SUSANNE BROWN, Albuquerque pediatrician and APS Board of Education member, was the speaker at a luncheon last week sponsored by the Labs' Women's Program Committee. About 100 Sandians heard her speak on "Juggling Family, Career, and Community Responsibilities." Dr. Brown was hosted by Margaret Harvey (3510), Women's Program coordinator.

Welcome

Albuquerque

Matthew Chown (2534)
Ellen Dunn (315)
Lawrence Bennett (1245)
Gerald Weber (1245)

Arizona

Eric Schindwolf (7543)

California

George Kamin (1272)

Louisiana

Tan Chang Hu (7252)

South Carolina

Michael Chadwick (321)



WAYNE BURTON (7864) was recently promoted to commander of the Air Force Reserve's new 925th Civil Engineering Squadron. At Sandia since 1979, Wayne is a registered civil and structural engineer who uses his civilian skills in the reserve one weekend a month and two weeks a year. He was a pilot in the Air Force from 1968 until 1973 and has been a member of the N.M. Air National Guard since 1975. Arnold Augustoni (1124) and Robert Maestas (7832) belong to the same reserve unit.